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Proceedings of the American Academy of Arts and Sciences

Vol. 77, No. 3, P. 55–113—February, 1949

OFFICERS AND COMMITTEES FOR 1948-1949

LIST OF FELLOWS AND FOREIGN HONORARY MEMBERS

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FELLOWS AND FOREIGN HONORARY MEMBERS

(Corrected to January 1, 1949)

FELLOWS—802

(Number limited to one thousand)

The year of election is indicated in the left margin, the century being omitted; thus 21 means 1921, 92 means 1892. When a Fellow resigned and was re-elected, the year of re-election is indicated in the ordinary way, the year of election is enclosed in square brackets. The year of election of an Associate, now a Fellow, is indicated by round brackets.

CLASS I—Mathematical and Physical Sciences—228

Section 1—*Mathematics and Astronomy*—49

21 Charles Greeley Abbot.....Washington, D. C.
32 Clarence Raymond Adams.....Providence, R. I.
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47 Howard Hathaway Aiken.....Cambridge
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41 Fred Lawrence Whipple ..... Cambridge
32 David Vernon Widder ..... Belmont
48 Oscar Zariski ..... Cambridge

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42 Francis Birch ..... Cambridge
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45 Robley Dunglison Evans ..... Belmont

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43 Philipp Frank.....Cambridge
97 Harry Manley Goodwin.....Brookline
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18 David Locke Webster.....Palo Alto, Cal.
48 Victor Frederick Weisskopf.....Cambridge
11 Edwin Bidwell Wilson.....Brookline
13 Robert Williams Wood.....Baltimore, Md.
17 John Zeleny.....New Haven, Conn.

CLASS I, SECTION 3—*Chemistry*—58

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13 Wilder Dwight Bancroft.....Ithaca, N. Y.

46 Paul Doughty Bartlett.....Weston
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33 Louis Frederick Fieser.....Belmont
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38 Harold Clayton Urey.....Chicago, Ill.

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19 Robert Seaton Williams.....Belmont
44 Edgar Bright Wilson, Jr.....Cambridge
48 Robert Burns Woodward.....Cambridge
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31 Charles Harold Berry.....Belmont
41 Edward Lindley Bowles.....Wellesley
25 Vannevar Bush.....Washington, D. C.
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48 Edwin Richard Gilliland.....Arlington
32 Albert Haertlein.....Watertown
40 Harold Locke Hazen.....Belmont
44 Arthur Robert von Hippel.....Weston
36 Murray Philip Horwood.....Cambridge
48 Hoyt Clarke Hottel.....Winchester
34 Jerome Clarke Hunsaker.....Boston
23 James Robertson Jack.....Watertown
11 Dugald Caleb Jackson.....Cambridge
30 Frank Baldwin Jewett.....Short Hills, N. J.
01 Lewis Jerome Johnson.....Cambridge
48 Theodore von Kármán.....Pasadena, Cal.
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32 Ralph Restieaux Lawrence.....Belmont
23 William Henry Lawrence.....Jamaica Plain
38 John Moyes Lessells.....Brookline
48 William Henry McAdams.....Newton
37 Charles Winters MacGregor.....Belmont

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44 Richard von Mises.....Cambridge
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13 Harold Pender.....Wynnewood, Pa.
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48 Thomas Kilgore Sherwood.....Wellesley
39 C. Richard Soderberg.....Weston
14 Charles Milton Spofford.....Boston
45 Frederick Emmons Terman.....Palo Alto, Cal.
[28] 44 Karl Terzaghi.....Winchester
23 Edward Pearson Warner.....Montreal, Canada
37 Harald Malcolm Westergaard.....Belmont
48 Walter Gordon Whitman.....Concord
45 John Benson Wilbur.....Belmont
40 John Wulff.....Cambridge
41 Vladimir Kosma Zworykin.....Princeton, N. J.

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15 Wallace Walter Atwood.....Worcester
41 Alan Mara Bateman.....New Haven, Conn.
46 Roland Frank Beers.....Lincoln
38 Marland Pratt Billings.....Wellesley
21 Norman Levi Bowen.....Chicago, Ill.
16 Isaiah Bowman.....Baltimore, Md.
33 Charles Franklin Brooks.....Milton
29 Kirk Bryan.....Cambridge
48 Arthur Francis Buddington.....Princeton, N. J.
45 Martin Julian Buerger.....Lincoln
33 Frank Morton Carpenter.....Lexington
34 Sterling Price Fergusson.....Milton
42 Russell Gibson.....Belmont
14 Louis Caryl Graton.....Cambridge
17 Herbert Ernest Gregory.....Honolulu, T. H.
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46 Cornelius Searle Hurlbut, Jr.....Belmont
44 Columbus O'Donnell Iselin.....Woods Hole
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48 Adolph Knopf.....New Haven, Conn.
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15 Andrew Cowper Lawson.....Berkeley, Cal.
16 Charles Kenneth Leith.....Madison, Wis.
31 George Francis McEwen.....La Jolla, Cal.
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45 Henry Crosby Stetson.....Belmont
41 Chester Stock.....Pasadena, Cal.
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35 Derwent Stainthorpe Whittlesey.....Cambridge
15 Bailey Willis.....Palo Alto, Cal.
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CLASS II, SECTION 2—*Botany*—36

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00 Liberty Hyde Bailey.....Ithaca, N. Y.
40 Albert Francis Blakeslee.....Northampton
98 Douglas Houghton Campbell.....Palo Alto, Cal.
48 Edward Sears Castle.....Cambridge
46 Ralph Erskine Cleland.....Bloomington, Ind.
16 Bradley Moore Davis.....Ann Arbor, Mich.
35 Bernard Ogilvie Dodge.....New York, N. Y.
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00 Merritt Lyndon Fernald.....Cambridge
44 Paul Rupert Gast.....Weston
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27 Ivan Murray Johnston.....Brookline
34 Donald Forsha Jones.....New Haven, Conn.
40 Paul Christoph Mangelsdorf.....Newtonville
10 Winthrop John Vanleuven Osterhout.....New York, N. Y.
27 George James Peirce.....Palo Alto, Cal.
44 Hugh Miller Raup.....Jamaica Plain
14 Alfred Rehder.....Jamaica Plain
48 William Jacob Robbins.....New York, N. Y.
34 Edmund Ware Sinnott.....New Haven, Conn.
44 Albert Charles Smith.....Washington, D. C.
34 Gilbert Morgan Smith.....Palo Alto, Cal.

45 Herman Augustus Spoehr ..... Palo Alto, Cal.
23 Elvin Charles Stakman ..... St. Paul, Minn.
48 William Randolph Taylor ..... Ann Arbor, Mich.
38 Kenneth Vivian Thimann ..... Cambridge
31 Charles Alfred Weatherby ..... Cambridge
48 Frits Warmolt Went ..... Pasadena, Cal.
22 William Henry Weston, Jr. ..... Winchester
32 Ralph Hartley Wetmore ..... Cambridge

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33 Philip Bard ..... Baltimore, Md.
46 George Wells Beadle ..... Pasadena, Cal.
09 Francis Gano Benedict ..... Machiasport, Me.
11 Henry Bryant Bigelow ..... Concord
14 Robert Payne Bigelow ..... Brookline
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20 William T. Bovie ..... Fairfield, Me.
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28 John Wymond Miller Bunker ..... Belmont
00 William Ernest Castle ..... Berkeley, Cal.
29 Lemuel Roscoe Cleveland ..... Jamaica Plain
26 Edwin Joseph Cohn ..... Cambridge
14 Edwin Grant Conklin ..... Princeton, N. J.
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27 William John Crozier ..... Belmont
17 Joseph Augustine Cushman ..... Sharon
29 Hallowell Davis ..... St. Louis, Mo.
33 Alden Benjamin Dawson ..... Belmont
25 Samuel Randall Detwiler ..... New York, N. Y.
43 David Bruce Dill ..... Edgewood Arsenal, Md.
48 Edward Adelbert Doisy ..... St. Louis, Mo.
25 Herbert McLean Evans ..... Berkeley, Cal.
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48 Edmund Newton Harvey ..... Princeton, N. J.
36 Frederick Lee Hisaw ..... Belmont
29 Leigh Hoadley ..... Cambridge
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28 Roy Graham Hoskins ..... Waban
13 Leland Ossian Howard ..... Bronxville, N. Y.

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16 Frederic Thomas Lewis.....Waban
14 Ralph Stayner Lillie.....Chicago, Ill.
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27 Axel Leonard Melander.....Riverside, Cal.
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45 Leland Clifton Wyman.....Jamaica Plain
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32 Joseph Charles Aub.....Belmont
36 Oswald Theodore Avery.....New York, N. Y.
29 James Bourne Ayer.....Milton
(28) 32 Franklin Greene Balch.....Jamaica Plain
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48 Francis Gilman Blake.....New Haven, Conn.
31 George Blumer.....San Marino, Cal.
43 Arlie Vernon Bock.....Cambridge
36 Charles Sidney Burwell.....Brookline

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13 Henry Asbury Christian.....Brookline
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23 Roger Irving Lee.....Brookline
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14 Frederick Herman Verhoeff.....Brookline
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27 Joseph Treloar Wearn.....Cleveland, O.
40 Paul Dudley White.....Brookline
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(24) 32 Francis Noyes Balch.....Jamaica Plain
38 Henry Moore Bates.....Ann Arbor, Mich.
36 Stoughton Bell.....Cambridge
33 Harry Augustus Bigelow.....Chicago, Ill.
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38 Frank Washburn Grinnell.....Boston
41 Erwin Nathaniel Griswold.....Belmont
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33 Learned Hand.....New York, N. Y.
39 Albert James Harno.....Urbana, Ill.
47 Mark DeWolfe Howe.....Cambridge
38 Melvin Maynard Johnson.....Brookline
38 James McCauley Landis.....Washington, D. C.
32 Sayre Macneil.....Pasadena, Cal.
32 Calvert Magruder.....Cambridge
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31 Edmund Morris Morgan.....Arlington
47 John Lord O'Brian.....Washington, D. C.
36 Henry Parkman, Jr.....Boston
01 George Wharton Pepper.....Philadelphia, Pa.
11 Roscoe Pound.....Watertown
36 Stanley Elroy Qua.....Lowell
32 Francis Bowes Sayre.....Washington, D. C.
21 Austin Wakeman Scott.....Cambridge
36 Sidney Post Simpson.....Cambridge
39 Thomas Walter Swan.....New York, N. Y.
43 Charles Edward Wyzanski, Jr.....Cambridge

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33 Edwin Montefiore Borchard.....New Haven, Conn.
46 Harvey Hollister Bundy.....Boston
40 Robert Granville Caldwell.....Belmont
32 William Richards Castle, Jr.....Washington, D. C.
32 Joseph Perkins Chamberlain.....New York, N. Y.
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41 Hajo Holborn.....Hamden, Conn.
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32 Charles Edward Merriam.....Chicago, Ill.
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47 William Phillips.....North Beverly
41 Gaetano Salvemini.....Cambridge
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44 Sarah Wambaugh.....Cambridge
47 Sumner Welles.....Oxon Hill, Md.
43 Payson Sibley Wild, Jr.....Cambridge
32 William Franklin Willoughby.....Washington, D. C.
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48 Howard Eugene Wilson.....New York, N. Y.
27 Quincy Wright.....Chicago, Ill.
33 Henry Aaron Yeomans.....Harvard

CLASS III, SECTION 3—*Economics and Sociology*—56

36 James Waterhouse Angell.....New York, N. Y.
47 George Pierce Baker.....Boston
48 Richard Mervin Bissell, Jr.....Washington, D. C.
36 James Cummings Bonbright.....New York, N. Y.
43 Augusta Fox Bronner (Mrs. William Healy).....Boston
44 Douglass Vincent Brown.....Brookline
46 Theodore Henry Brown.....Cambridge
33 Harold Hitchings Burbank.....Cambridge
34 John Maurice Clark.....Westport, Conn.
28 Arthur Harrison Cole.....Cambridge
21 Clive Day.....New Haven, Conn.
32 Arthur Stone Dewing.....Newton

41 Carl Rupp Doering.....Cambridge
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36 Fred Rogers Fairchild.....Hamden, Conn.
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45 Seymour Edwin Harris.....West Acton
48 Bishop Carleton Hunt.....Norwell
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36 Roswell Cheney McCrea.....Augusta, Ga.
34 Robert Morison MacIver.....New York, N. Y.
32 Walter Wallace McLaren.....Williamstown
45 William Rupert Maclaurin.....Cambridge
36 Malcolm Perrine McNair.....Cambridge
32 Leon Carroll Marshall.....Chevy Chase, Md.
34 Richard Stockton Meriam.....South Lincoln
32 Frederick Cecil Mills.....New York, N. Y.
34 Arthur Eli Monroe.....Cambridge
34 Edwin Griswold Nourse.....Washington, D. C.
32 William Fielding Ogburn.....Chicago, Ill.
45 Talcott Parsons.....Belmont
42 William Andrew Paton.....Ann Arbor, Mich.
47 Fritz Jules Roethlisberger.....Cambridge
37 Clyde Orval Ruggles.....Cambridge
42 Paul Anthony Samuelson.....Belmont
36 Thomas Henry Sanders.....Cambridge
33 Josef Alois Schumpeter.....Cambridge
43 Benjamin Morris Selekman.....Cambridge
31 Pitirim Alexandrovich Sorokin.....Winchester
41 Francis Trow Spaulding.....Albany, N. Y.
31 Oliver Mitchell Wentworth Sprague.....Cambridge
46 Harold Walter Stoke.....Baton Rouge, La.
37 Harry Rudolph Tosdal.....Belmont
31 Donald Skeele Tucker.....Belmont
41 Robert Ulich.....Cambridge
33 Abbott Payson Usher.....Salem
34 Jacob Viner.....Princeton, N. J.
38 T[homas] North Whitehead.....Cambridge
32 John Henry Williams.....Cambridge
36 Joseph Henry Willits.....New York, N. Y.
34 Leo Wolman.....New York, N. Y.
34 Carle Clark Zimmerman.....Winchester

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46 Chester M. Alter.....West Newton
39 Chester Irving Barnard.....New York, N. Y.
(25) 32 Charles Foster Batchelder.....Peterborough, N. H.
44 Adolf Augustus Berle, Jr.....New York, N. Y.
45 Edwin Sharp Burdell.....New York, N. Y.
41 Godfrey Lowell Cabot.....Boston
47 Thomas Dudley Cabot.....Weston
48 Erwin Dain Canham.....Newton
47 William Henry Claflin, Jr.....Belmont
48 Charles Woolsey Cole.....Amherst
43 Ada Louise Comstock (Mrs. Wallace Notestein).....New Haven, Conn.
48 Robert Cutler.....Boston
42 Donald Kirk David.....Boston
48 Herbert John Davis.....Northampton
38 Edmund Ezra Day.....Ithaca, N. Y.
32 Henry Sturgis Dennison.....Framingham
46 David Frank Edwards.....Cambridge
48 Carl Stephens Ell.....Newton
(28) 32 William Lusk Webster Field.....Milton
39 Ralph Edward Flanders.....Springfield, Vt.
38 Horace Sayford Ford.....Belmont
44 Raymond Blaine Fosdick.....New York, N. Y.
48 Francis Calley Gray.....Boston
35 Jerome Davis Greene.....Cambridge
(28) 32 Edward Jackson Holmes.....Topsfield
44 Ernest Martin Hopkins.....Hanover, N. H.
48 Carl Tilden Keller.....Boston
34 Henry Plimpton Kendall.....Sharon
44 James Rhyne Killian, Jr.....Wellesley Hills
39 Morris Evans Leeds.....Philadelphia, Pa.
48 David Eli Lilienthal.....Washington, D. C.
34 Clarence Cook Little.....Bar Harbor, Me.
47 Ralph Lowell.....Westwood
36 Dumas Malone.....New York, N. Y.
42 Daniel L. Marsh.....Boston
45 Keyes DeWitt Metcalf.....Belmont
45 Henry Allen Moe.....New York, N. Y.
02 Herbert Putnam.....Washington, D. C.
44 Beardsley Ruml.....New York, N. Y.
34 Erwin Haskell Schell.....Cambridge
38 Charles Seymour.....New Haven, Conn.
35 Henry Lee Shattuck.....Boston
37 Henry Southworth Shaw.....Melrose
48 Alfred Pritchard Sloan, Jr.....New York, N. Y.
(28) 32 Payson Smith.....Orono, Me.

46 Huntley Nowell Spaulding.....Rochester, N. H.
33 Albert Warren Stearns.....Billerica
(24) 32 Edwin Sibley Webster.....Brookline
44 Charles Edward Wilson.....New York, N. Y.
41 Laurence Leathe Winship.....South Sudbury
48 Henry Merritt Wriston.....Providence, R. I.
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39 Owen D. Young.....New York, N. Y.

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24 Edwin Garrigues Boring.....Cambridge
28 Edgar Sheffield Brightman.....Newton
31 Henry Addington Bruce.....Cambridge
32 Leonard Carmichael.....Tufts College
48 Rudolph Carnap.....Chicago, Ill.
36 Robert Pierce Casey.....Providence, R. I.
33 Curt John Ducasse.....Providence, R. I.
43 Angus Dun.....Washington, D. C.
48 Frederick May Eliot.....Cambridge
38 James Everett Frame.....Princeton, N. J.
37 Clarence Henry Graham.....New York, N. Y.
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30 William Henry Paine Hatch.....Arlington
32 William Healy.....Natick
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28 Albert Cornelius Knudson.....Cambridge
32 Karl Spencer Lashley.....Orange Park, Fla.
29 Clarence Irving Lewis.....Lexington
42 Richard Peter McKeon.....Chicago, Ill.
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17 Charles Edwards Park.....Boston
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46 Stanley Smith Stevens.....Cambridge
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33 Halford Lancaster Hoskins.....Washington, D. C.
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44 Clyde Kay Maben Kluckhohn.....Cambridge
12 Alfred Louis Kroeber.....Berkeley, Cal.
44 Ambrose Lansing.....New York, N. Y.
32 Waldo Gifford Leland.....Newton
41 William E. Lingelbach.....Philadelphia, Pa.
48 Margaret Mead.....New York, N. Y.
38 Stewart Mitchell.....Cambridge
15 Samuel Eliot Morison.....Boston
46 Otto Eduard Neugebauer.....Providence, R. I.
34 Robert Henry Pfeiffer.....Cambridge
34 David Moore Robinson.....University, Miss.
23 Michael Ivanovich Rostovtzeff.....New Haven, Conn.
27 George Sarton.....Cambridge
38 Bernadotte Everly Schmitt.....Alexandria, Va.
36 Donald Scott.....Cambridge
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32 Charles Holt Taylor.....Cambridge
11 Alfred Marston Tozzer.....Cambridge
39 Henry Rouse Viets.....Brookline

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35 Charles Henry Beeson.....Chicago, Ill.
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40 Werner Wilhelm Jaeger.....Watertown
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34 Roland Grubb Kent.....Wynnewood, Pa.
33 Hans Kurath.....Ann Arbor, Mich.
39 Henry Carrington Lancaster.....Baltimore, Md.
33 Ivan Mortimer Linforth.....Berkeley, Cal.
44 Elias Avery Lowe.....Princeton, N. J.
35 Benjamin Dean Meritt.....Princeton, N. J.
28 William Albert Nitze.....Los Angeles, Cal.
32 George Rapall Noyes.....Berkeley, Cal.
33 Howard Rollin Patch.....Northampton
32 Arthur Stanley Pease.....Cambridge
11 Fred Norris Robinson.....Cambridge
38 Hyder Edward Rollins.....Cambridge
31 Robert Kilburn Root.....Princeton, N. J.
35 Henry Arthur Sanders.....Ann Arbor, Mich.
43 Jean Joseph Seznec.....Cambridge
45 George Wiley Sherburn.....Cambridge
45 Taylor Starck.....Cambridge
32 William Thomson.....South Lincoln
11 Charles Cutler Torrey.....New Haven, Conn.
47 William Freeman Twaddell.....Providence, R. I.
48 Berthold Louis Ullman.....Chapel Hill, N. C.

30 Ernest Hatch Wilkins.....Newton Center
33 Harry Austryn Wolfson.....Cambridge

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32 (William) Welles Bosworth.....Locust Valley, N. Y.
47 Richard Burgin.....Brookline
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33 John Alden Carpenter.....Chicago, Ill.
45 Samuel Chamberlain.....Marblehead
32 Chalmers Dancy Clifton.....New York, N. Y.
32 Kenneth John Conant.....Cambridge
46 William George Constable.....Cambridge
34 Samuel Foster Damon.....Providence, R. I.
47 John Roderigo Dos Passos.....Provincetown
32 George Harold Edgell.....Cambridge
21 William Emerson.....Cambridge
30 John Erskine.....New York, N. Y.
18 Edward Waldo Forbes.....Cambridge
31 Robert Frost.....South Shaftsbury, Vt.
27 Wallace Goodrich.....Manchester
44 Walter Gropius.....Lincoln
48 Bartlett Harding Hayes, Jr.....Andover
31 Robert Silliman Hillyer.....Greenwich, Conn.
27 Charles Hopkinson.....Manchester
12 Mark Antony DeWolfe Howe.....Boston
38 Joseph Hudnut.....Cambridge
18 Archer Milton Huntington.....New York, N. Y.
45 William Alexander Jackson.....Cambridge
38 Howard Mumford Jones.....Cambridge
42 Otto Kinkeldey.....New York, N. Y.
47 Milton Edward Lord.....Boxford
21 Charles Donagh Maginnis.....Brookline
31 Paul Manship.....New York, N. Y.
48 John Marin.....Cliffside Park, N. J.
31 Daniel Gregory Mason.....New York, N. Y.
31 Frank Jewett Mather.....Princeton, N. J.
44 Charles Rufus Morey.....Rome, Italy
47 Lewis Mumford.....New York, N. Y.
48 Thomas Munro.....Cleveland, O.
31 Kenneth Ballard Murdock.....Boston
48 Erwin Panofsky.....Princeton, N. J.
(24) 32 Anthony John Philpott.....Arlington
41 Walter Hamor Piston, Jr.....Belmont
21 Chandler Rathfon Post.....Cambridge
22 Paul Joseph Sachs.....Cambridge

14 Ellery Sedgwick.....Beverly
19 Henry Dwight Sedgwick.....Dedham
48 Bruce Simonds.....Hamden, Conn.
48 John Sloan.....New York, N. Y.
33 David Stanley Smith.....Woodbridge, Conn.
39 Francis Henry Taylor.....New York, N. Y.
43 Randall Thompson.....Cambridge
44 Karl Viëtor.....Cambridge
45 Martin Wagner.....Cambridge
46 Edward Augustus Weeks, Jr.....Boston
39 Karl Ephraim Weston.....Williamstown
44 Herbert Eustis Winlock.....North Haven, Me.
46 William Wilson Wurster.....Cambridge

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15 Frank Lauren Hitchcock.....Belmont
[12] 44 Frederick Shenstone Woods.....Newton Center

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14 Samuel Cate Prescott.....Brookline
40 William Lloyd Evans.....Columbus, O.
15 George Shannon Forbes.....Cambridge

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23 William Hovgaard.....Morristown, N. J.
30 George Edmond Russell.....Lexington

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09 Reginald Aldworth Daly.....Cambridge
[03] 44 Charles Palache.....Cambridge
17 Percy Edward Raymond.....Lexington
11 Hervey Woodburn Shimer.....Hingham

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29 Joseph Horace Faull.....Cambridge
21 Elmer Drew Merrill.....Jamaica Plain

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15 Charles Thomas Brues.....Newtonville
22 Thorne Martin Carpenter.....Foxboro
15 Alexander Forbes.....Milton

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25 Robert Bayley Osgood.....Boston
30 Fritz Bradley Talbot.....Brookline

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(28) 32 Edmund Allen Whitman.....Cambridge

Class III, Section 2—1

31 Sidney Bradshaw Fay.....Cambridge

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32 William James Cunningham.....Cambridge
32 Henry Wyman Holmes.....Cambridge
36 Elton Mayo.....Polesden Lacey, England

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36 Clair Elsmere Turner.....Arlington

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28 Walter Fenno Dearborn.....Cambridge
21 William Ernest Hocking.....Madison, N. H.
28 Henry Bradford Washburn.....Cambridge

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12 George Henry Chase.....Cambridge
21 William Scott Ferguson.....Cambridge
22 George La Piana.....Wellesley
20 Charles Howard McIlwain.....Princeton, N. J.

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38 Richmond Laurin Hawkins.....Cambridge
32 Ernest Felix Langley.....Cambridge
44 La Rue Van Hook.....New York, N. Y.
33 George Benson Weston.....Cambridge
39 William Hoyt Worrell.....Ann Arbor, Mich.

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29 Charles Townsend Copeland.....Cambridge
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29 Edward Burlingame Hill.....Francestown, N. H.
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22 Charles Henry Conrad Wright.....Cambridge

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39 Arnaud Denjoy ..... Paris
34 Ronald Aylmer Fisher ..... Cambridge, England
20 Jacques Salomon Hadamard ..... Paris
27 Ejnar Hertzsprung ..... Leiden
45 Sir Harold Spencer Jones ..... Greenwich
46 Bertil Lindblad ..... Stockholm
47 Edward Arthur Milne ..... Oxford
46 Jan Hendrik Oort ..... Leiden
47 Meghnad N. Saha ..... Calcutta
47 G. A. Shajn ..... Simeis, U. S. S. R.
15 Charles Jean de la Vallée Poussin ..... Louvain
29 Hermann Weyl ..... Princeton, N. J.

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29 Vilhelm Frimann Koren Bjerknes ..... Oslo
45 Niels Bohr ..... Copenhagen
24 Albert Einstein ..... Princeton, N. J.
29 James Franck ..... Chicago, Ill.
29 Abram F. Joffé ..... Leningrad
48 Max von Laue ..... Göttingen
48 Arnold Sommerfeld ..... Munich
47 Sir George Paget Thomson ..... London

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27 Peter Debye ..... Ithaca, N. Y.
33 Jaroslav Heyrovsky ..... Prague
33 Fritz Paneth ..... Durham
48 Sir Robert Robinson ..... Oxford
38 Leopold Ruzicka ..... Zürich
38 Nevil Vincent Sidgwick ..... Oxford
48 The Svedberg ..... Upsala
29 Heinrich Wieland ..... Munich

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36 Edward Victor Appleton ..... London
46 Clarence Decatur Howe ..... Ottawa
34 Luigi Lombardi ..... Rome
29 Ludwig Prandtl ..... Göttingen
29 Emil Probst ..... Oxford
31 Karl Willy Wagner ..... Friedrichsdorf

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36 Raoul Blanchard.....Grenoble, France
29 Léon William Collet.....Geneva
34 Arthur Holmes.....Edinburgh
22 Emmanuel de Margerie.....Paris
44 Ezequiel Ordoñez.....Mexico, D. F.
47 Wong Wen-hao.....Nanking

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48 P. Boysen-Jensen.....Copenhagen
46 Rudolf Florin.....Stockholm
47 P. Maheshwari.....Dacca, India
32 Kingo Miyabe.....Sapporo, Japan
42 Lorenzo Raimundo Parodi.....Buenos Aires
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29 Otto Renner.....Jena
48 Birbal Sahni.....Lucknow
35 Sir William Wright Smith.....Edinburgh

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38 Edgar Douglas Adrian.....Cambridge, England
48 Charles Herbert Best.....Toronto
20 Maurice Caullery.....Paris
38 Emmanuel Fauré-Frémiet.....Paris
34 Archibald Vivian Hill.....London
41 Bernado Alberto Houssay.....Buenos Aires
48 Archibald Gowanlock Huntsman.....Toronto
47 Augustus Daniel Imms.....Tipton St. John, Devonshire
31 August Krogh.....Copenhagen
30 Louis Édouard Lapicque.....Paris

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39 Sir Aldo Castellani.....Rome
27 Sir Henry Hallett Dale.....London
33 Sir Arthur Keith.....London
28 Mikinosuke Miyajima.....Tokyo
18 Sir Charles Scott Sherrington.....Cambridge, England
36 (Jean) Hyacinthe Vincent.....Paris

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44 Victor Andres Belaunde.....Lima
47 Paal Berg.....Oslo
38 Mircea Djuvara.....Bucharest
33 François Geny.....Nancy
38 Arthur Lehman Goodhart.....Oxford

39 Wilfrid Arthur Greene, Baron Greene.....Holmbury St. Mary, Surrey
33 Hans Kelsen.....Berkeley, Cal.
38 Rt. Hon. Lord Macmillan.....Ewhurst, Surrey
33 Juljusz Makarewicz.....Lwów
48 Léon Julliot de la Morandière.....Paris
33 Giorgio Del Vecchio.....Rome
38 Rt. Hon. Lord Wright.....Burbage, Wilts
38 John C. H. Wu.....Vatican City

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48 José d'Almada.....Lisbon
38 Dionisio Anzilotti.....Rome
46 Winston Churchill.....London
32 Paul Claudel.....Paris
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39 Henry Clay.....Oxford
44 Daniel Cosío Villegas.....Mexico, D. F.
35 Luigi Einaudi.....Turin
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35 René Maunier.....Paris
28 Arthur Cecil Pigou.....Cambridge, England
32 Charles Rist.....Versailles
45 Dennis Holme Robertson.....Cambridge, England

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33 Gösta A. Bagge.....Stockholm
38 Heinrich Brüning.....Cambridge, Mass.
45 Alfredo Lorenzo Palacios.....Buenos Aires
38 B. Seebohm Rowntree.....North Dean, Bucks

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47 Joseph Klausner.....Jerusalem
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45 Tomás Navarro Tomás.....New York, N. Y.
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32 Frederick William Thomas.....Bodicote nr. Banbury

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48 Jean-Marie Carré.....Paris
40 Paul Hindemith.....New Haven, Conn.
34 Serge Koussevitzky.....Brookline
27 Gilbert Murray.....Oxford
31 Edgar Allison Peers.....Liverpool
27 Henri Rabaud.....Paris
48 Jan Hendrik Scholte.....Amsterdam
41 Jean Julius Christian Sibelius.....Helsinki
40 Igor Stravinsky.....Hollywood, Cal.

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Carré, J.-M. FHM, IV: 4
Casey, R. P. F, IV: 1
Castellani, Sir A. FHM, II: 4
Castle, E. S. F, II: 2
Castle, W. B. F, II: 4
Castle, W. E. F, II: 3
Castle, W. R., Jr. F, III: 2
Caullery, M. FHM, II: 3
Chaffee, E. L. F, I: 2
Chamberlain, J. P. F, III: 2
Chamberlain, S. F, IV: 4
Chamot, E. M. F, I: 3
Chandrasekhar, S. F, I: 1
Chao, Y. R. F, IV: 3
Chase, G. H. FE, IV: 2
Cheever, D. F, II: 4
Chipman, J. F, I: 4
Christian, H. A. F, II: 4
Churchill, E. D. F, II: 4
Churchill, W. FHM, III: 2
Claflin, W. H., Jr. F, III: 4
Clark, J. M. F, III: 3

Clark, W. E. F, IV: 3
Clark, W. I. F, II: 4
Claudel, P. FHM, III: 2
Clay, H. FHM, III: 3
Clayton, W. L. F, III: 2
Cleland, R. E. F, II: 2
Cleveland, L. R. F, II: 3
Clifton, C. D. F, IV: 4
Coffman, G. R. F, IV: 3
Cohn, E. J. F, II: 3
Cole, A. H. F, III: 3
Cole, C. W. F, III: 4
Cole, R. F, II: 4
Collet, L. W. FHM, II: 1
Collins, S. C. F, I: 3
Compton, A. H. F, I: 2
Compton, K. T. F, I: 2
Comstock, A. L. F, III: 4
Comstock, D. F. F, I: 2
Conant, J. B. F, I: 3
Conant, K. J. F, IV: 4
Condon, E. U. F, I: 2
Conklin, E. G. F, II: 3
Constable, W. G. F, IV: 4
Coolidge, C. A. F, III: 1
Coolidge, J. L. F, I: 1
Coolidge, W. D. F, I: 2
Coon, C. S. F, IV: 2
Cope, A. C. F, I: 3
Copeland, C. T. FE, IV: 4
Cori, C. F. F, I: 3
Coryell, C. D. F, I: 3
Copeland, M. F, II: 3
Cosío Villegas, D. FHM, III: 3
Crane, R. S. F, IV: 3
Crane, R. T. F, III: 2
Crawford, F. H. F, I: 2
Crew, H. F, I: 2
Croce, B. FHM, IV: 1
Croll, M. W. F, IV: 3
Cross, H. F, I: 4
Cross, P. C. F, I: 3
Crozier, W. J. F, II: 3
Cunningham, W. J. FE, III: 3
Cushman, J. A. F, II: 3
Cutler, R. F, III: 4
Dahl, O. G. C. F, I: 4
Dale, Sir H. H. FHM, II: 4
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Daly, R. A. FE, II: 1
Damon, S. F. F, IV: 4
David, D. K. F, III: 4
Davis, B. M. F, II: 2
Davis, H. F, II: 3
Davis, H. J. F, III: 4
Davis, H. N. F, I: 2
Davis, T. L. F, I: 3
Davison, A. T. FE, IV: 4
Davisson, C. J. F, I: 2
Dawes, C. L. F, I: 4
Dawson, A. B. F, II: 3
Day, A. L. F, I: 2
Day, C. F, III: 3
Day, E. E. F, III: 4
Dearborn, W. F. FE, IV: 1
Debye, P. FHM, I: 3
de la Morandière, see Morandière
Del Vecchio, see Vecchio
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Den Hartog, J. P. F, I: 4
Denjoy, A. FHM, I: 1
Dennett, T. F, III: 2
Dennison, H. S. F, III: 4
Detwiler, S. R. F, II: 3
Dewey, B. F, I: 4
Dewing, A. S. F, III: 3
Dickey, J. S. F, III: 2
Dickinson, J. F, III: 1
Dickson, L. E. F, I: 1
Dill, D. B. F, II: 3
Dillon, T. H. F, I: 4
Dinsmoor, W. B. F, IV: 2
Djuvara, M. FHM, III: 1
Dodge, B. O. F, II: 2
Dodge, R. G. F, III: 1
Doering, C. R. F, III: 3
Doisy, E. A. F, II: 3
Donham, W. B. F, III: 3
Dos Passos, J. R. F, IV: 4
Douglas, J. F, I: 1
Doyle, H. G. F, IV: 3
Draper, C. S. F, I: 4
Du Bois, E. F. F, II: 4
Du Bridge, L. A. F, I: 2

Ducasse, C. J. F, IV: 1
Duff, A. W. F, I: 2
Dun, A. F, IV: 1
Duncan, J. C. F, I: 1
Dunn, G. F, I: 4
Durand, W. F. F, I: 4
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Eames, A. J. F, II: 2
Edgell, G. H. F, IV: 4
Edgerton, F. F, IV: 3
Edsall, J. T. F, I: 3
Edwards, D. F. F, III: 4
Einaudi, L. FHM, III: 3
Einstein, A. FHM, I: 2
Eliot, F. M. F, IV: 1
Elisséeff, S. F, IV: 3
Ell, C. S. F, III: 4
Emerson, W. F, IV: 4
Emmons, H. W. F, I: 4
Enders, J. F. F, II: 4
Erskine, J. F, IV: 4
Esselen, G. J. F, I: 3
Evans, A. W. F, II: 2
Evans, G. C. F, I: 1
Evans, H. M. F, II: 3
Evans, R. D. F, I: 2
Evans, W. L. FE, I: 3
Ewell, A. W. F, I: 2
Fair, G. M. F, I: 4
Fairchild, F. R. F, III: 3
Farnsworth, H. E. F, I: 2
Faulkner, J. M. F, II: 4
Faull, J. H. FE, II: 2
Fauré-Frémiet, E. FHM, II: 3
Fay, S. B. FE, III: 2
Fenn, W. O. F, II: 3
Ferguson, W. S. FE, IV: 2
Fergusson, S. P. F, II: 1
Fernald, M. L. F, II: 2
Fetter, F. A. F, III: 3
Field, F. T. F, III: 1
Field, W. L. W. F, III: 4
Fieser, L. F. F, I: 3
Finland, M. F, II: 4
Fisher, R. A. FHM, I: 1
Fiske, C. H. F, II: 3
Fitz, R. F, II: 4
Flanders, R. E. F, III: 4
Florin, R. FHM, II: 2
Forbes, A. FE, II: 3
Forbes, E. W. F, IV: 4
Forbes, G. S. FE, I: 3
Forbes, W. C. F, III: 2
Ford, H. S. F, III: 4
Ford, J. D. M. F, IV: 3
Fosdick, R. B. F, III: 4
Frame, J. E. F, IV: 1
Franck, J. FHM, I: 2
Frank, P. F, I: 2
Franklin, P. F, I: 1
Freeman, R. E. F, III: 3
Friedrich, C. J. F, III: 2
Frost, R. F, IV: 4
Fuess, C. M. F, IV: 2
Fuller, L. L. F, III: 1
Fulton, J. F. F, II: 3
Furniss, E. S. F, III: 2
Gamble, J. L. F, II: 4
Gasser, H. S. F, II: 3
Gast, P. R. F, II: 2
Geny, F. FHM, III: 1
Gesell, A. L. F, II: 3
Getting, I. A. F, I: 4
Gibb, H. A. R. FHM, IV: 3
Gibson, R. F, II: 1
Gilboy, G. F, I: 4
Gilliland, E. R. F, I: 4
Gilson, E. FHM, IV: 1
Glueck, S. F, III: 3
Goodale, J. L. F, II: 4
Goodhart, A. L. FHM, III: 1
Goodrich, H. F. F, III: 1
Goodrich, W. F, IV: 4
Goodwin, H. M. F, I: 2
Graham, C. H. F, IV: 1
Graton, L. C. F, II: 1
Gray, F. C. F, III: 4
Gray, L. H. F, IV: 3
Green, T. F. F, III: 1
Greene, Baron. FHM, III: 1
Greene, J. D. F, III: 4
Greene, W. C. F, IV: 3
Gregory, H. E. F, II: 1
Gregory, W. K. F, II: 3

Grew, J. C. F, III: 2
Grinnell, F. W. F, III: 1
Griswold, E. N. F, III: 1
Gropius, W. F, IV: 4
Gulick, C. B. F, IV: 3
Guthrie, E. R. F, IV: 1
Hadamard, J. S. FHM, I: 1
Haertlein, A. F, I: 4
Haig, R. M. F, III: 3
Haines, C. G. F, III: 2
Hall, J. L. F, III: 1
Ham, T. H. F, II: 4
Hamilton, E. J. F, III: 3
Hand, A. N. F, III: 1
Hand, L. F, III: 1
Hardy, A. C. F, I: 2
Harmon, A. M. F, IV: 3
Harno, A. J. F, III: 1
Harris, L. F, I: 3
Harris, S. E. F, III: 3
Harrison, G. R. F, I: 2
Harrison, R. G. F, II: 4
Harvey, E. N. F, II: 3
Hastings, A. B. F, I: 3
Hatch, W. H. P. F, IV: 1
Havens, R. D. F, IV: 3
Hawkins, R. L. FE, IV: 3
Hawtrey, R. G. FHM, III: 3
Hayes, B. H., Jr. F, IV: 4
Hazen, H. L. F, I: 4
Healy, W. F, IV: 1
Hencken, H. O. F, IV: 2
Hendrickson, G. L. F, IV: 3
Hertzsprung, E. FHM, I: 1
Heyrovsky, J. FHM, I: 3
Hill, A. V. FHM, II: 3
Hill, B. H. F, IV: 2
Hill, E. B. FE, IV: 4
Hille, E. F, I: 1
Hillyer, R. S. F, IV: 4
Hindemith, P. FHM, IV: 4
Hippel, A. R., von F, I: 4
Hisaw, F. L. F, II: 3
Hitchcock, F. L. FE, I: 1
Hoadley, L. F, II: 3
Hoagland, D. R. F, II: 2
Hoagland, H. F, II: 3
Hockett, R. C. F, I: 3
Hocking, W. E. FE, IV: 1
Holborn, H. F, III: 2
Holcombe, A. N. F, III: 2
Holmes, A. FHM, II: 1
Holmes, E. J. F, III: 4
Holmes, H. W. FE, III: 3
Holmes, S. J. F, II: 3
Hooker, S. B. F, II: 4
Hooton, E. A. F, IV: 2
Hopkins, E. M. F, III: 4
Hopkinson, C. F, IV: 4
Horwood, M. P. F, I: 4
Hoskins, H. L. F, IV: 2
Hoskins, R. G. F, II: 3
Hottel, H. C. F, I: 4
Houssay, B. A. FHM, II: 3
Hovgaard, W. FE, I: 4
Howard, L. O. F, II: 3
Howard, W. G. F, IV: 3
Howe, C. D. FHM, I: 4
Howe, M. A. DeW. F, IV: 4
Howe, M. DeW. F, III: 1
Howe, P. R. F, II: 4
Hu Shih. FHM, III: 2
Hubbard, J. C. F, I: 2
Hudnut, J. F, IV: 4
Hull, C. L. F, IV: 1
Hull, G. F. F, I: 2
Hume, E. E. F, II: 4
Humphreys, W. J. F, II: 1
Hunsaker, J. C. F, I: 4
Hunt, B. C. F, III: 3
Hunt, F. V. F, I: 2
Huntington, A. M. F, IV: 4
Huntington, E. V. F, I: 1
Huntress, E. H. F, I: 3
Huntsman, A. G. FHM, II: 3
Hurlbut, C. S., Jr. F, II: 1
Imms, A. D. FHM, II: 3
Iselin, C. O. F, II: 1
Jack, J. G. F, II: 2
Jack, J. R. F, I: 4
Jackson, D. C. F, I: 4
Jackson, H., Jr. F, II: 4
Jackson, W. A. F, IV: 4
Jaeger, W. W. F, IV: 3

Jaggar, T. A. F, II: 1
Janeway, C. A. F, II: 4
Jellinek, E. M. F, I: 1
Jessup, P. C. F, III: 2
Jewett, F. B. F, I: 4
Joffé, A. F. FHM, I: 2
Johnson, L. J. F, I: 4
Johnson, M. M. F, III: 1
Johnston, I. M. F, II: 2
Jones, D. F. F, II: 2
Jones, H. M. F, IV: 4
Jones, Sir H. S. FHM, I: 1
Jordan, W. K. F, IV: 2
Joslin, E. P. F, II: 4
Kärmän, T., von F, I: 4
Keefer, C. S. F, II: 4
Keenan, J. H. F, I: 4
Keith, Sir A. FHM, II: 4
Keller, C. T. F, III: 4
Kelsen, H. FHM, III: 1
Kemble, E. C. F, I: 2
Kendall, H. P. F, III: 4
Keniston, H. F, IV: 3
Kent, R. G. F, IV: 3
Keyes, F. G. F, I: 3
Killian, J. R., Jr. F, III: 4
Kinkeldey, O. F, IV: 4
King, R. W. P. F, I: 2
Kistiakowsky, G. B. F, I: 3
Klausner, J. FHM, IV: 3
Kluckhohn, C. K. M. F, IV: 2
Knight, F. H. F, III: 3
Knopf, A. F, II: 1
Knudson, A. C. F, IV: 1
Köhler, W. FHM, IV: 1
Koussevitzky, S. FHM, IV: 4
Kraus, C. A. F, I: 3
Kretschmer, P. FHM, IV: 3
Kroeber, A. L. F, IV: 2
Krogh, A. FHM, II: 3
Kurath, H. F, IV: 3
Lamb, A. B. F, I: 3
Lampland, C. O. F, I: 1
Lancaster, H. C. F, IV: 3
Land, E. H. F, I: 2
Landis, E. M. F, II: 3
Landis, J. M. F, III: 1
Langley, E. F. FE, IV: 3
Langmuir, I. F, I: 3
Lansing, A. F, IV: 2
La Piana, G. FE, IV: 2
Lapicque, L. E. FHM, II: 3
Larsen, E. S., Jr. F, II: 1
Lashley, K. S. F, IV: 1
Laue, M., von FHM, I: 2
Lawrence, E. O. F, I: 2
Lawrence, R. R. F, I: 4
Lawrence, W. H. F, I: 4
Lawson, A. C. F, II: 1
Lee, R. I. F, II: 4
Leeds, M. E. F, III: 4
Leith, C. K. F, II: 1
Leland, W. G. F, IV: 2
Lessells, J. M. F, I: 4
Levine, S. A. F, II: 4
Levinson, N. F, I: 1
Lewis, C. I. F, IV: 1
Lewis, F. T. F, II: 3
Lewis, W. K. F, I: 3
Lilienthal, D. E. F, III: 4
Lillie, R. S. F, II: 3
Lindblad, B. FHM, I: 1
Lindsay, R. B. F, I: 2
Linforth, I. M. F, IV: 3
Lingelbach, W. E. F, IV: 2
Little, C. C. F, III: 4
Locke, E. A. F, II: 4
Lombardi, L. FHM, I: 4
Longcope, W. T. F, II: 4
Loofbourow, J. R. F, II: 3
Lord, M. E. F, IV: 4
Lowe, E. A. F, IV: 3
Lowell, R. F, III: 4
Lull, R. S. F, II: 3
Lund, F. B. F, II: 4
Lutz, B. R. F, II: 3
Luyten, W. J. F, I: 1
Lyman, T. F, I: 2
McAdams, W. H. F, I: 4
McCrea, R. C. F, III: 3
McEwen, G. F. F, II: 1
MacGregor, C. W. F, I: 4
McIlwain, C. H. FE, IV: 2
MacInnes, D. A. F, I: 3

MacIver, R. M. F, III: 3
McKeehan, L. W. F, I: 2
McKeon, R. P. F, IV: 1
MacLane, S. F, I: 1
McLaren, W. W. F, III: 3
McLaughlin, D. H. F, II: 1
Maclaurin, W. R. F, III: 3
Macmillan, Lord. FHM, III: 1
McNair, M. P. F, III: 3
Macneil, S. F, III: 1
MacNider, W. de B. F, II: 4
Maginnis, C. D. F, IV: 4
Magruder, C. F, III: 1
Maheshwari, P. FHM, II: 2
Makarewicz, J. FHM, III: 1
Malamud, W. F, II: 4
Malone, D. F, III: 4
Mangelsdorf, P. C. F, II: 2
Manship, P. F, IV: 4
Margerie, E., de FHM, II: 1
Marin, J. F, IV: 4
Mark, K. L. F, I: 3
Marks, L. S. F, I: 4
Marsh, D. L. F, III: 4
Marshall, L. C. F, III: 3
Martin, W. T. F, I: 1
Mason, D. G. F, IV: 4
Mather, F. J. F, IV: 4
Mather, K. F. F, II: 1
Maunier, R. FHM, III: 3
Mayo, E. FE, III: 3
Mazon, P. FHM, IV: 3
Mead, M. F, IV: 2
Mead, W. J. F, II: 1
Mees, C. E. K. F, I: 3
Meinecke, F. FHM, IV: 2
Melander, A. L. F, II: 3
Menéndez Pidal, R. FHM, IV: 3
Menzel, D. H. F, I: 1
Meriam, R. S. F, III: 3
Meritt, B. D. F, IV: 3
Merriam, C. E. F, III: 2
Merrill, E. D. FE, II: 2
Metcalf, K. DeW. F, III: 4
Meyer, K. F. F, II: 3
Milas, N. A. F, I: 3
Miller, G. A. F, I: 1
Miller, G. S. F, II: 3
Miller, W. J. F, II: 1
Millikan, R. A. F, I: 2
Mills, F. C. F, III: 3
Milne, E. A. FHM, I: 1
Mimno, H. R. F, I: 2
Miner, L. M. S. F, II: 4
Minot, G. R. F, II: 4
Mises, R., von F, I: 4
Mitchell, S. F, IV: 2
Mitchell, S. A. F, I: 1
Mitchell, W. DeW. F, III: 1
Miyabe, K. FHM, II: 2
Miyajima, M. FHM, II: 4
Moe, H. A. F, III: 4
Monroe, A. E. F, III: 3
Morandière, L. J., de la FHM, III: 1
Moreland, E. L. F, I: 4
Morey, C. R. F, IV: 4
Morgan, E. M. F, III: 1
Morison, S. E. F, IV: 2
Morris, F. K. F, II: 1
Morse, M. F, I: 1
Morse, P. M. F, I: 2
Morton, A. A. F, I: 3
Moss, W. L. F, II: 4
Moulton, F. R. F, I: 1
Mueller, E. F, I: 3
Mueller, J. H. F, II: 4
Muller, H. J. F, II: 3
Mumford, L. F, IV: 4
Munro, T. F, IV: 4
Munro, W. B. F, III: 2
Murdock, K. B. F, IV: 4
Murphy, A. E. F, IV: 1
Murray, G. FHM, IV: 4
Murray, H. A., Jr. F, IV: 1
Nash, N. B. F, IV: 1
Navarro, T. FHM, IV: 3
Neugebauer, O. E. F, IV: 2
Neumann, J., von F, I: 1
Newhouse, W. H. F, II: 1
Nilsson, M. P. FHM, IV: 2
Nitze, W. A. F, IV: 3
Nock, A. D. F, IV: 1
Nourse, E. G. F, III: 3
Noyes, G. R. F, IV: 3

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O'Brian, J. L. F, III: 1
O'Connor, J. F, IV: 1
Oertel, H. FHM, IV: 3
Ogburn, W. F. F, III: 3
Oldenberg, O. F, I: 2
Olmsted, F. L. F, I: 4
Oncley, J. L. F, I: 3
Oort, J. H. FHM, I: 1
Oppenheimer, J. R. F, I: 2
Ordoñez, E. FHM, II: 1
Osgood, R. B. FE, II: 4
Osterhout, W. J. V. F, II: 2
Page, L. F, I: 2
Palache, C. FE, II: 1
Palacios, A. L. FHM, III: 4
Palmer, W. W. F, II: 4
Paneth, F. FHM, I: 3
Panofsky, E. F, IV: 4
Park, C. E. F, IV: 1
Parker, G. H. F, II: 3
Parkman, H., Jr. F, III: 1
Parodi, L. R. FHM, II: 2
Parsons, T. F, III: 3
Patch, H. R. F, IV: 3
Paton, W. A. F, III: 3
Pauling, L. C. F, I: 3
Payne-Gaposchkin, C. F, I: 1
Pearse, L. F, I: 4
Pease, A. S. F, IV: 3
Peers, E. A. FHM, IV: 4
Peirce, G. J. F, II: 2
Pender, H. F, I: 4
Pepper, G. W. F, III: 1
Peters, J. L. F, II: 3
Pfeiffer, R. H. F, IV: 2
Phillips, H. B. F, I: 1
Phillips, W. F, III: 2
Philpott, A. J. F, IV: 4
Pickard, G. W. F, I: 4
Pierce, G. W. F, I: 2
Piéron, H. FHM, IV: 1
Pigou, A. C. FHM, III: 3
Pilsbry, H. A. F, II: 3
Pincus, G. F, II: 3
Piston, W. H. F, IV: 4
Poor, C. L. F, I: 1
Porsild, A. E. FHM, II: 2
Post, C. R. F, IV: 4
Pound, R. F, III: 1
Prandtl, L. FHM, I: 4
Pratt, C. C. F, IV: 1
Pratt, F. H. F, II: 3
Pratt, J. H. F, II: 4
Prescott, S. C. FE, I: 3
Probst, E. FHM, I: 4
Purves, C. B. F, I: 3
Putnam, H. F, III: 4
Putnam, T. J. F, II: 4
Qua, S. E. F, III: 1
Quinby, W. C. F, II: 4
Rabaud, H. FHM, IV: 4
Rabi, I. I. F, I: 2
Rackemann, F. M. F, II: 4
Rand, H. W. F, II: 3
Rapport, D. F, II: 3
Raup, H. M. F, II: 2
Raymond, P. E. FE, II: 1
Redfield, A. C. F, II: 3
Rehder, A. F, II: 2
Reichenbach, H. F, IV: 1
Renner, O. FHM, II: 2
Richards, A. N. F, II: 3
Richardson, R. G. D. F, I: 1
Riddle, O. F, II: 3
Rist, C. FHM, III: 3
Robbins, W. J. F, II: 2
Robertson, D. H. FHM, III: 3
Robinson, D. M. F, IV: 2
Robinson, F. N. F, IV: 3
Robinson, Sir R. FHM, I: 3
Rock, J. F, II: 4
Roeder, K. D. F, II: 3
Roethlisberger, F. J. F, III: 3
Rogers, A. F. F, II: 1
Rollins, H. E. F, IV: 3
Romer, A. S. F, II: 3
Romero, F. FHM, IV: 1
Root, R. K. F, IV: 3
Rosanoff, M. A. F, I: 3
Rossby, C. G. A. F, II: 1
Rossi, B. B. F, I: 2
Rostovtzeff, M. I. F, IV: 2
Rowntree, B. S. FHM, III: 4

Rüdenberg, R. F, I: 4
Ruggles, A. H. F, II: 4
Ruggles, C. O. F, III: 3
Ruml, B. F, III: 4
Russell, F. F. F, II: 4
Russell, G. E. FE, I: 4
Russell, H. N. F, I: 1
Ruthven, A. G. F, II: 3
Ruzicka, L. FHM, I: 3
Sachs, P. J. F, IV: 4
Saha, M. N. FHM, I: 1
Sahni, B. FHM, II: 2
Salter, W. T. F, II: 4
Salvemini, G. F, III: 2
Samuelson, P. A. F, III: 3
Sanders, H. A. F, IV: 3
Sanders, T. H. F, III: 3
Sarton, G. F, IV: 2
Sayre, F. B. F, III: 1
Scatchard, G. F, I: 3
Schaller, W. T. F, II: 1
Schell, E. H. F, III: 4
Schmitt, B. E. F, IV: 2
Schmitt, F. O. F, II: 3
Scholte, J. H. FHM, IV: 4
Schumb, W. C. F, I: 3
Schumpeter, J. A. F, III: 3
Schwinger, J. S. F, I: 2
Scott, A. W. F, III: 1
Scott, D. F, IV: 2
Sedgwick, E. F, IV: 4
Sedgwick, H. D. F, IV: 4
Selekman, B. M. F, III: 3
Seymour, C. F, III: 4
Seznec, J. J. F, IV: 3
Shajn, G. A. FHM, I: 1
Shapley, H. F, I: 1
Shattuck, G. C. F, II: 4
Shattuck, H. L. F, III: 4
Shaw, H. S. F, III: 4
Sherburn, G. W. F, IV: 3
Sherrill, H. K. F, IV: 1
Sherrill, M. S. F, I: 3
Sherrington, Sir C. S. FHM, II: 4
Sherwood, T. K. F, I: 4
Shimer, H. W. FE, II: 1
Sibelius, J. J. C. FHM, IV: 4
Sidgwick, N. V. FHM, I: 3
Simmons, J. S. F, II: 4
Simonds, B. F, IV: 4
Simpson, G. G. F, II: 1
Simpson, S. P. F, III: 1
Sinnott, E. W. F, II. 2
Slater, J. C. F, I: 2
Slipher, V. M. F, I: 1
Sloan, A. P., Jr. F, III: 4
Sloan, J. F, IV: 4
Smith, A. C. F, II: 2
Smith, D. S. F, IV: 4
Smith, G. M. F, II: 2
Smith, H. M. F, I: 3
Smith, L. B. F, I: 3
Smith, P. F, III: 4
Smith, R. M. F, II: 4
Smith, Sir W. W. FHM, II: 2
Snyder, V. F, I: 1
Soderberg, R. C. F, I: 4
Sollmann, T. H. F, II: 4
Sommerfeld, A. FHM, I: 2
Sorokin, P. A. F, III: 3
Sosman, M. C. F, II: 4
Spalding, W. R. FE, IV: 4
Spaulding, F. T. F, III: 3
Spaulding, H. N. F, III: 4
Sperry, W. L. F, IV: 1
Spinden, H. J. F, IV: 2
Spoehr, H. A. F, II: 2
Spofford, C. M. F, I: 4
Sprague, O. M. W. F, III: 3
Stafford, R. H. F, IV: 1
Stakman, E. C. F, II: 2
Starck, T. F, IV: 3
Stearns, A. W. F, III: 4
Stebbins, J. F, I: 1
Stephenson, C. C. F, I: 3
Stetson, H. C. F, II: 1
Stetson, H. T. F, I: 1
Stevens, S. S. F, IV: 1
Stewart, G. W. F, I: 2
Stewart, R. B. F, III: 2
Stock, C. F, II: 1
Stockbarger, D. C. F, I: 2
Stockmayer, W. H. F, I: 3
Stoke, H. W. F, III: 3

Stratton, J. A. F, I: 2
Stravinsky, I. FHM, IV: 4
Street, J. C. F, I: 2
Struik, D. J. F, I: 1
Struve, O. F, I: 1
Svedberg, T. FHM, I: 3
Sverdrup, H. U. F, II: 1
Swan, T. W. F, III: 1
Takayanagi, K. FHM, III: 2
Talbot, F. B. FE, II: 4
Tarski, A. F, IV: 1
Taylor, C. H. F, IV: 2
Taylor, C. L., Jr. F, IV: 1
Taylor, F. H. F, IV: 4
Taylor, H. S. F, I: 3
Taylor, W. R. F, II: 2
Terman, F. E. F, I: 4
Terman, L. M. F, IV: 1
Terzaghi, K. F, I: 4
Thannhauser, S. J. F, II: 4
Thimann, K. V. F, II: 2
Thomas, F. W. FHM, IV: 3
Thompson, M. deK. F, I: 2
Thompson, R. F, IV: 4
Thomson, G. H. FHM, IV: 1
Thomson, Sir G. P. FHM, I: 2
Thomson, W. F, IV: 3
Thorn, G. W. F, II: 4
Thorndike, E. L. F, IV: 1
Thurstone, L. L. F, IV: 1
Torrey, C. C. F, IV: 3
Tosdal, H. R. F, III: 3
Tozzer, A. M. F, IV: 2
Trevelyan, G. M. FHM, IV: 2
Tucker, D. S. F, III: 3
Turner, C. E. FE, III: 4
Twaddell, W. F. F, IV: 3
Tyzzer, E. E. F, II: 4
Ulich, R. F, III: 3
Ullman, B. L. F, IV: 3
Urey, H. C. F, I: 3
Usher, A. P. F, III: 3
Vallarta, M. S. F, I: 2
Vallée Poussin, C. J., de la FHM, I: 1
Van de Graaff, R. J. F, I: 2
Van Hook, L. R. FE, IV: 3
Van Vleck, J. H. F, I: 2
Vaughan, T. W. F, II: 1
Veblen, O. F, I: 1
Vecchio, G., Del FHM, III: 1
Verhoeff, F. H. F, II: 4
Vickery, H. B. F, II: 3
Viëtor, K. F, IV: 4
Viets, H. R. F, IV: 2
Vigneaud, V., du F, I: 3
Vincent, J. H. FHM, II: 4
Viner, J. F, III: 3
von Hippel, see Hippel
von Kármán, see Kármán
von Laue, see Laue
von Mises, see Mises
von Neumann, see Neumann
Wagner, K. W. FHM, I: 4
Wagner, M. F, IV: 4
Wald, G. F, II: 3
Walsh, J. L. F, I: 1
Wambaugh, S. F, III: 2
Warner, E. P. F, I: 4
Warren, B. E. F, I: 2
Warren, C. H. F, II: 1
Warren, S. F, II: 4
Washburn, H. B. FE, IV: 1
Watson, J. B. F, IV: 1
Wearn, J. T. F, II: 4
Weatherby, C. A. F, II: 2
Webster, D. L. F, I: 2
Webster, E. S. F, III: 4
Weeks, E. A., Jr. F, IV: 4
Weiser, H. B. F, I: 3
Weisskopf, V. F. F, I: 2
Welles, S. F, III: 2
Wells, F. L. F, IV: 1
Welsh, J. H., Jr. F, II: 3
Went, F. W. F, II: 2
Westergaard, H. M. F, I: 4
Weston, G. B. FE, IV: 3
Weston, K. E. F, IV: 4
Weston, W. H., Jr. F, II: 2
Wetmore, R. H. F, II: 2
Weyl, H. FHM, I: 1
Weysse, A. W. F, II: 3
Whipple, F. L. F, I: 1
White, P. D. F, II: 4
Whitehead, T. N. F, III: 3

Whitman, E. A. FE, III: 1
Whitman, W. G. F, I: 4
Whitney, W. R. F, I: 3
Whittlesey, D. S. F, II: 1
Widder, D. V. F, I: 1
Wieland, H. FHM, I: 3
Wilbur, J. B. F, I: 4
Wild, P. S., Jr. F, III: 2
Wilkins, E. H. F, IV: 3
Williams, J. H. F, III: 3
Williams, R. S. F, I: 3
Willis, B. F, II: 1
Willits, J. H. F, III: 3
Willoughby, W. F. F, III: 2
Wilson, C. E. F, III: 4
Wilson, E. B. F, I: 2
Wilson, E. B., Jr. F, I: 3
Wilson, G. G. F, III: 2
Wilson, H. E. F, III: 2
Winlock, H. E. F, IV: 4
Winship, L. L. F, III: 4
Wislocki, G. B. F, II: 3
Wolbach, S. B. F, II: 4
Wolfson, H. A. F, IV: 3
Wolman, L. F, III: 3
Wong, Wen-hao. FHM, II: 1
Wood, R. W. F, I: 2
Woods, F. S. FE, I: 1
Woodward, R. B. F, I: 3
Woodworth, R. S. F, IV: 1
Worrell, W. H. FE, IV: 3
Wright, Lord. FHM, III: 1
Wright, C. H. C. FE, IV: 4
Wright, F. E. F, II: 1
Wright, Q. F, III: 2
Wright, S. F, II: 3
Wriston, H. M. F, III: 4
Wu, J. C. H. FHM, III: 1
Wulff, J. F, I: 4
Wurster, W. W. F, IV: 4
Wyman, J., Jr. F, II: 3
Wyman, L. C. F, II: 3
Wyzanski, C. E., Jr. F, III: 1
Yeomans, H. A. F, III: 2
Yerkes, R. M. F, II: 3
Young, B. L. F, III: 4
Young, O. D. F, III: 4
Young, R. C. F, I: 3
Zariski, O. F, I: 1
Zeleny, J. F, I: 2
Zimmerman, C. C. F, III: 3
Zworykin, V. K. F, I: 4

STATUTES

The American Academy of Arts and Sciences

Adopted November 8, 1911: *amended* May 8, 1912, *January* 8, *and May* 14, 1913, *April* 14, 1915, *April* 12, 1916, *April* 10, 1918, *May* 14, 1919, *February* 8, *April* 12, *and December* 13, 1922, *February* 14, *March* 14, *and October* 10, 1923, *March* 10, 1926, *May* 9, 1928, *April* 8, *and November* 11, 1931, *April* 12, 1933, *February* 14, 1934, *December* 14, 1938, *January* 11, *April* 12, 1939, *May* 8, 1940, *May* 14, 1941, *November* 18, 1942, *and January* 12, 1944, *May* 9, 1945, *November* 14, 1945, *February* 2, 1946, *October* 9, 1946, *and October* 8, 1947.

CHAPTER I

The Academy and Its Corporate Seal

Article 1. The American Academy of Arts and Sciences is a body politic and corporate by the same name, forever, established by the Council and House of Representatives in General Court of the Province of Massachusetts Bay as recorded in Chap. 46 of the Acts of 1779.

Article 2. As enacted above, the stated end and design of the institution of the said academy is to promote and encourage the knowledge of the antiquities of America, and of the natural history of the country, and to determine the uses to which the various natural productions of the country may be applied; to promote and encourage medical discoveries, mathematical disquisitions, philosophical enquiries and experiments, astronomical, meteorological and geographical observations; and improvements in agriculture, arts, manufacture and commerce; and, in fine, to cultivate every art and science which may tend to advance the interest, honor, dignity and happiness of a free, independent and virtuous people.

Article 3. The Corporate Seal of the Academy shall be as here depicted.

ARTICLE 4. The Secretary shall have the custody of the Corporate Seal.

See Chap. v, art. 3; chap. vi, art. 1.

CHAPTER II

MEMBERSHIP AND DUES

ARTICLE 1. The Academy shall consist of Fellows, elected from the citizens or residents of the United States of America, Fellows Emeriti, and Foreign Honorary Members. They are arranged in four Classes, according to the Arts and Sciences in which they are severally proficient, and each Class shall be divided into four Sections, namely:

CLASS I. *The Mathematical and Physical Sciences*
- Section 1. Mathematics and Astronomy
- Section 2. Physics
- Section 3. Chemistry
- Section 4. Technology and Engineering

CLASS II. *The Natural and Physiological Sciences*
- Section 1. Geology, Mineralogy, and Physics of the Globe
- Section 2. Botany
- Section 3. Zoology and Physiology
- Section 4. Medicine and Surgery

CLASS III. *The Social Arts*
- Section 1. Jurisprudence
- Section 2. Government, International Law, and Diplomacy
- Section 3. Economics and Sociology
- Section 4. Administration and Affairs

CLASS IV. *The Humanities*
- Section 1. Theology, Philosophy, and Psychology
- Section 2. History, Archaeology, and Anthropology
- Section 3. Philology
- Section 4. The Fine Arts and Belles Lettres

ARTICLE 2. The number of Fellows shall not exceed One thousand, of whom not more then Eight hundred shall be residents of Massachusetts, nor shall there be more than Two hundred and seventy-five in any one Class.

Any Fellow of the Academy on retiring from his academic or other regular duties may, if he so requests in writing, and with the approval of the Council, be transferred to the status of Fellow Emeritus.

Fellows Emeriti shall be exempt from payment of dues. They may not hold elective office in the Academy, nor serve on Standing Com-

mittees, nor vote at meetings, but shall have all the other privileges of Fellowship.

Fellows Emeriti shall be separately classified and shall be outside the statutory limit set on the total number of Fellows and the number in a given Class.

See Chap. ix, art. 3; chap. x, art. 1.

ARTICLE 3. The number of Foreign Honorary Members shall not exceed One hundred and fifty. They shall be chosen from citizens of foreign countries most eminent for their discoveries and attainments in any of the Classes above enumerated. There shall be not more than Forty-five in any one Class.

ARTICLE 4. Diplomas signed by the President and the Vice-President of the Class to which the member belongs, and countersigned by the Secretary, shall be given to Fellows and Foreign Honorary Members.

ARTICLE 5. If any person, after being notified of his election as Fellow or Foreign Honorary Member, shall neglect for six months to accept in writing, his election shall be void.

ARTICLE 6. Every Fellow resident within fifty miles of Boston hereafter elected shall pay an Admission Fee of Ten dollars: if he shall neglect to pay this Fee within six months of the date of his election, his election shall become void.

Every Fellow resident within fifty miles of Boston shall pay such Annual Dues, not exceeding Fifteen dollars, as shall be voted by the Academy at each Annual Meeting, at which time they shall become due.

Every Fellow residing more than fifty miles from Boston elected after 1938 shall pay, and other non-resident Fellows may pay, Annual Dues equal to one-half the amount set for resident Fellows at each Annual Meeting and due on the same date.

Any Fellow shall be exempt from further payment of Annual Dues who has paid such dues for forty years, or having attained the age of seventy-five, has paid dues for twenty-five years.

Any Fellow may also be exempt from further payment of annual dues upon payment into the treasury of the Academy the sum of Two hundred dollars in addition to his previous payments.

Any Fellow not previously subject to Annual Dues who takes up his residence within fifty miles of Boston, shall pay to the Treasurer, within three months thereafter, Annual Dues for the current year, and if he shall neglect to make this payment within the specified time,

after having been notified by the Treasurer of the requirements of this Article of the Statutes, he shall cease to be a Fellow.

ARTICLE 7. Any Fellow, resident or non-resident, who shall neglect to pay his Annual Dues for six months after they are due and who ignores notification by the Treasurer of the requirements of this Article of the Statutes shall cease to be a Fellow.

ARTICLE 8. Only Fellows who pay Annual Dues or have commuted them may hold elective office in the Academy or serve on Standing Committees or vote at meetings.

ARTICLE 9. Upon petition of any Fellow, the Council may by a majority vote suspend the application of any penalties hereinabove prescribed in this chapter for an additional period of time not longer than three months.

ARTICLE 10. If, in the opinion of a majority of the entire Council, any Fellow or Foreign Honorary Member shall have rendered himself unworthy of a place in the Academy, the Council shall recommend to the Academy the termination of his membership; and if three-fourths of the Fellows present out of a total attendance of not less than fifty at a Stated Meeting, or at a Special Meeting called for the purpose, shall adopt this recommendation, his name shall be stricken from the Roll.

See Chap. iii; chap. vi, art. 5 and 6; chap. x, art. 1.

CHAPTER III

NOMINATION AND ELECTION OF FELLOWS AND FOREIGN HONORARY MEMBERS

The procedure for nomination and election of Fellows and Foreign Honorary Members shall be as follows:

ARTICLE 1. Nominations may be made at any time by any two Fellows in writing on forms to be provided by the Secretary and shall be referred by him to the Committee on Membership.

The Committee on Membership shall meet following the stated meetings of the Academy in May, November, February and March, and at such other times as it may determine, to appraise nominations received by it from the Fellows from time to time, to originate further nominations, and to approve as candidates for election those receiving the favorable vote of two-thirds of the Committee members present in any meeting attended by not less than five of its members.

Immediately following its meeting in February, the Committee shall cause to be sent to every Fellow a list of nominees, with biographical

and professional data thereon, together with names of nominators, for appraisal, expression of preference, or other comment by the Fellows.

The Committee, at its March meeting, shall review all nominations, together with comments by the Fellows thereon, and shall compile a list of approved candidates for the annual election of Fellows and Foreign Honorary Members. It shall present this list together with data pertaining thereto to the Council not later than at the Stated Meeting of the Council in April.

The Council, by vote of the majority of members present at a meeting, shall make final nominations from the list of approved persons recommended by the Committee on Membership for election by the Fellows.

ARTICLE 2. Election of Fellows and Foreign Honorary Members shall be made by a majority of the Fellows present at the Annual Meeting in May, from the nominations presented at that meeting by the Council.

ARTICLE 3. Each Fellow or Foreign Honorary Member shall be notified in writing by the Secretary immediately following his election.

See Chap. ii; chap. vi, art. 5; chap. x, art. 1; chap. xi, art. 1 (ii).

CHAPTER IV

OFFICERS

ARTICLE 1. The Officers of the Academy shall be a President (who shall be Chairman of the Council), four Vice-Presidents (one from each Class), a Secretary (who shall be Secretary of the Council), a Treasurer, a Librarian, and an Editor, all of whom shall be elected by ballot at the Annual Meeting, and shall take office at the close of that meeting, and shall hold their respective offices for one year, and until others are duly chosen and take office.

There shall be also sixteen Councillors, one from each Section of each Class. At each Annual Meeting four Councillors, one from each Class, shall be elected by ballot to serve for a term of four years, and they shall take office at the close of that meeting, and shall hold office until others are duly chosen and take office. The same Fellows shall not be eligible for two successive terms.

The Councillors, with the officers previously named, and the Chairmen of the Standing Committees, *ex officiis*, shall constitute the Council.

See Chap. xi, art. 1.

ARTICLE 2. If any officer be unable, through death, absence, or disability, to fulfill the duties of his office, or if he shall resign, his

place may be filled by the Council in its discretion for any part or the whole of the unexpired term.

ARTICLE 3. At the Stated Meeting in March, the President shall appoint a Nominating Committee of four Fellows having the right to vote, one from each Class. This Committee shall prepare a list of nominees for the several offices to be filled, and for the Standing Committees, and file it with the Secretary not later than four weeks before the Annual Meeting.

ARTICLE 4. Independent nominations for any office, if signed by at least twenty Fellows having the right to vote, and received by the Secretary not less than ten days before the Annual Meeting, shall be included in the election procedure.

ARTICLE 5. The Secretary shall prepare for use in voting at the Annual Meeting a ballot containing the names of all persons duly nominated for office.

CHAPTER V

THE PRESIDENT

ARTICLE 1. The President, or in his absence a Vice-President, shall preside at meetings of the Academy.

See Chap. vi, art. 3.

ARTICLE 2. The President shall be the chief executive officer of the Academy. He shall present to the Council for its consideration all matters pertinent to the interests of the Academy and to the discharge of its obligations to the community or to the advancement of scholarship.

ARTICLE 3. Any deed or writing to which the Corporate Seal is to be affixed, except leases of real estate, shall be executed in the name of the Academy by the President or in the event of his death, absence, or inability, by one of the Vice-Presidents, when thereto duly authorized by the Council.

ARTICLE 4. In case of incapacity of the President, the Council shall designate a Vice-President to carry out the duties of the office.

See Chap. ii, art. 4; chap. iv, art. 1, 3; chap. vi, art. 3; chap. viii, art. 4; chap. x, art. 3; chap. xi, art. 1 (ii), (iii), (x); chap. xii, art. 1.

CHAPTER VI

THE SECRETARY

ARTICLE 1. The Secretary shall provide for the custody of the

Charter, Corporate Seal, Statute Book, Journals of the Academy, and other Archives.

ARTICLE 2. He shall be responsible for the correspondence of the Academy and of the Council. At each meeting of the Council he shall present any important communications addressed to the Academy which have been received since the previous meeting, and at the next meeting of the Academy he shall present such matters as the Council may determine.

ARTICLE 3. He shall attend the meetings of the Academy and the Council and shall arrange for the keeping of a faithful record of the attendance and of the proceedings. In the absence of the President and of all the Vice-Presidents, he shall call the meeting to order and preside until a chairman is chosen by majority vote of the Fellows present.

ARTICLE 4. He shall apprise officers and committees of their election or appointment, and inform the Treasurer and the Chairman of each Standing Committee of appropriations of money voted by the Academy.

ARTICLE 5. He shall notify all persons who may be elected Fellows or Foreign Honorary Members, send to each a copy of the Statutes, and on their acceptance issue the proper Diploma. After all elections, he shall insert in the Records the names of the Fellows by whom the successful nominees were proposed.

ARTICLE 6. He shall keep and cause to be printed annually a list of the Fellows and Foreign Honorary Members, arranged in their several Classes and Sections, and a list of Fellows and Foreign Honorary Members of whose deaths he has been informed.

ARTICLE 7. He shall arrange for the preservation of records of the death of Fellows and Foreign Honorary Members and biographical notices published on the occasion of their death, or at other times.

See Chap. i, art. 2; chap. ii, art. 4; chap. iii; chap. iv, art. 1, 3, 4, 5; chap. ix, art. 3; chap. xi, art. 1 (iii), 2; chap. xii, art. 1, 3.

CHAPTER VII

THE TREASURER AND THE TREASURY

ARTICLE 1. The Treasurer shall collect all money due or payable to the Academy and all gifts or bequests made to it. He shall pay all bills due and payable by the Academy when approved by the proper officers. He shall sign all leases of real estate in the name of the Academy. He shall be the official custodian of all bonds, stocks and other securities and, with the written approval of any one member of

the Committee on Finance, he shall have full authority to sell and transfer, invest and reinvest from time to time in such manner and upon such terms as shall to him seem best, the whole or any part of the personal property of the said Academy.

He shall keep a faithful account of all receipts and expenditures, submit his accounts annually to the Auditing Committee, and render them at the expiration of his term of office, or whenever required to do so by the Academy or the Council.

He shall keep separate accounts of the income of the Rumford Fund, and of all other special Funds, and of the appropriation thereof, and render them annually.

He shall fund all payments received in commutation of Dues, their income only, to be applied toward current expenditures.

His accounts shall always be open to the inspection of the Council.

Article 2. He shall report annually to the Council at its March meeting on the expected income of the various Funds and from all other sources, together with appropriations needed by Officers and Standing Committees for the ensuing fiscal year. He shall also report the names of all Fellows who may be then delinquent in the payment of their Annual Dues.

Article 3. He shall give such security for the trust reposed in him as the Academy may require.

Article 4. With the approval of a majority of the Committee on Finance, he may appoint an Assistant Treasurer to perform his duties, for whose acts, as such assistant, he shall be responsible; or, with like approval and responsibility, he may employ any Trust Company doing business in Boston as his agent for the same purpose, the compensation of such Assistant Treasurer or agent to be fixed by the Committee on Finance and paid from the Funds of the Academy.

Article 5. At the Annual Meeting he shall report in print all his official doings for the preceding year, stating the amount and condition of all the property of the Academy entrusted to him, and the character of the investments.

Article 6. The Financial Year of the Academy shall begin with the first day of April.

Article 7. No person or committee shall incur any debt or liability in the name of the Academy, unless in accordance with a previous vote and appropriation therefor by the Academy or the Council, or sell or otherwise dispose of any property of the Academy,

except cash or invested funds, without previous consent and approval of the Council.

See Chap. ii, art. 2, 6, 7, 8; chap. iv, art. 1; chap. vi, art. 4; chap. ix, art. 6; chap. xi, art. 1 (i), (iv), (v), art. 2; chap. xii, art. 1.

CHAPTER VIII

The Librarian and the Library

Article 1. The Librarian shall have charge of the Library and keep a correct catalog of it.

Article 2. The Librarian shall have authority to expend such sums as may be appropriated by the Academy for the purchase, repair, or maintenance of books, periodicals, etc., and for defraying other necessary expenses connected with the Library.

Article 3. All books procured from the income of the Rumford Fund or other special funds shall contain a bookplate expressing the fact.

Article 4. The Librarian shall have the custody of the publications of the Academy. With the advice and consent of the President, he may effect exchanges with other associations.

See Chap. iv, art. 1; chap. xi.

CHAPTER IX

The Editor and the Publications

Article 1. The Editor shall have charge of the conduct through the press of the publications of the Academy. Together with the Committee on Publication he shall determine the contents of the publications.

Article 2. The publications of the Academy shall be as follows:

(i) The Proceedings shall be published at least semi-annually as soon as may be possible after the Annual May Meeting, and the stated December meeting next following, and shall contain a record of each stated or special meeting of the Academy. They shall be known respectively as the Summer and Winter number of the Proceedings.

The Summer number of the Proceedings shall include reports of the officers and standing committees for the preceding year; a list of the officers, councillors and members of standing committees elected at the preceding Annual Meeting; and such other matter as the Publication Committee may approve.

The Winter number of the Proceedings shall include a current list

of officers, councillors, standing committees, Fellows and Foreign Honorary Members; the Statutes of the Academy; the Act of Incorporation of 1780 and its amendments; and such biographical notices or other matter as the Committee on Publication may approve.

In the discretion of the Committee on Publication, interim numbers of the Proceedings may be issued for the publication of accepted serial papers or other scholarly material.

(ii) Memoirs, monographs and volumes of collected papers may be published from time to time.

(iii) The Bulletin of the American Academy of Arts and Sciences shall be published eight times each year preceding the stated meetings, containing notices of such meetings, communications from the Council or Officers, and such other matter as may be of timely interest to the Fellows.

ARTICLE 3. A copy of the Summer and Winter numbers of the Proceedings shall be mailed to each Fellow, Fellow Emeritus, and Foreign Honorary Member.

A copy of the Bulletin shall be mailed to each Fellow and Fellow Emeritus.

A copy of any Interim number of the Proceedings shall be mailed only to those Fellows, Fellows Emeriti, and Foreign Honorary Members, who shall make written request to the Secretary for that number.

ARTICLE 4. Fellows who pay or have commuted the Annual Dues, Fellows Emeriti, and Foreign Honorary Members shall be entitled, upon written request to the Librarian, to receive gratis one copy of each number of Proceedings, Memoirs, monographs or series of collected papers, published by the Academy, which have been issued after their election, and are available.

ARTICLE 5. Not more than Two hundred extra copies of each paper printed in the Proceedings shall be placed at the disposal of the author without charge.

ARTICLE 6. The Editor shall have the authority to expend for printing and other expenses of publication such sums as may be appropriated by the Academy for such purposes; also such sums as may be made available to him by the Council from any source for particular publications under the sponsorship of the Academy.

See Chap. iv, art. 1; chap. xi, art. 1 (vi).

CHAPTER X

The Council

Article 1. The Council shall exercise general supervision over all affairs of the Academy not explicitly reserved to the Academy as a whole.

It shall consider all nominations of Fellows and Foreign Honorary Members duly sent to it by the Committee on Membership, and act upon them in accordance with the provisions of Chapter III.

With the consent of the person concerned it shall have power to present to the Academy a proposal to transfer in respect to status, Class, or Section.

Article 2. Nine members shall constitute a quorum.

Article 3. It shall act upon all resignations and forfeitures of membership in the Academy.

It shall appoint all agents and subordinates not otherwise provided for by the Statutes, prescribe their duties, and fix their compensation. They shall hold their respective positions during the pleasure of the Council.

It shall fill any vacancy caused by death, resignation or incapacity of any officer.

Article 4. It may appoint for terms not exceeding one year, and prescribe the functions of such committees of its number or of the Fellows of the Academy, as it may deem expedient, to facilitate the administration of the affairs of the Academy or to promote its interests.

Article 5. At the stated March meeting of the Academy it shall recommend for action the appropriations which in the opinion of the Council should be made for the ensuing fiscal year and the Annual Dues therefor.

It may recommend special appropriations at any Stated Meeting of the Academy, or at a Special Meeting, in the call for which such business shall have been included.

See Chap. ii, art. 2, 10; chap. iii, art. 1, 2; chap. iv, art. 1, 2; chap. v, art. 2, 3; chap. vi, art. 2, 3; chap. vii, art. 1, 2, 7; chap. ix, art. 6; chap. xi, art. 1; chap. xii, art. 1, 4, 6.

CHAPTER XI

Standing Committees

Article 1. At the Annual Meeting of the Corporation the following Standing Committees shall be elected by ballot of the Fellows to serve from the time of their election until their successors shall have been elected.

(i) *The House Committee* shall consist of three Fellows who shall have general charge of maintaining the House of the Academy in suitable condition for the uses thereof approved by the Council.

The Chairman of the House Committee or his designate shall approve in writing all expenditures for repairs, services, supplies or operation of the House, including salaries of House Employees.

The House Committee, in consultation with the Treasurer, shall determine the equitable proportion of expense to be assessed for the use of the facilities of the House, which are approved by the Council for other than Academy activities.

(ii) *The Committee on Membership* shall consist of the President, *ex-officio,* as Chairman, and eight Fellows, not members of the Council, one from each Class to be elected annually to serve for two years, except that in the initial election one additional Fellow shall be elected from each Class to serve for one year only. It shall have the duties designated to it in Chapter III.

(iii) *The Committee on Meetings* shall consist of the President as Chairman, and the Secretary, *ex-officio,* and four other Fellows. It shall arrange for meetings of the Academy.

(iv) *The Committee on Finance* shall consist of the Treasurer, *ex-officio,* as Chairman, and four other Fellows. It shall have general oversight of the investments of the Academy.

(v) *The Auditing Committee* shall consist of two Fellows who shall audit the accounts of the Treasurer with power to employ an expert and to approve his bill.

(vi) *The Committee on Publication* shall consist of the Editor as Chairman, *ex-officio,* and four other Fellows, one from each Class. It shall have the authority and the responsibility of determining the contents and of effecting the printing of the Publications of the Academy as set forth in Chapter IX.

(vii) *The Permanent Science Fund Committee* shall consist of seven Fellows. It shall review all applications for grants addressed to it and shall from time to time recommend to the Council appropriate disbursements from the income received by the Academy from the Trustee of the Permanent Science Fund, for carrying out the purposes set forth in the Agreement and Declaration of Trust which governs the use of this Fund.

(viii) *The Rumford Committee* shall consist of seven Fellows. It shall invite applications for pecuniary assistance in support of researches in the fields of heat and light, including X rays, and it alone shall authorize the purchase of books, publications and apparatus at

the charge of the income from the Rumford Fund. It shall biennially recommend to the Council a candidate for the reception of the Premium to be awarded in accordance with the Rumford trust, and shall generally see to the proper execution of this trust.

(ix) *The C. M. Warren Committee* shall consist of seven Fellows. It shall invite applications for pecuniary assistance from any person wishing to engage in research in any branch of chemistry and shall recommend to the Council such applications as seem to be worthy of aid, and such other disbursements from income of the C. M. Warren Fund as it deems appropriate to the advancement of research in chemistry.

(x) *The Amory Prize Committee* shall consist of seven Fellows. It shall consider persons eligible and recommend to the Council the award by the President and Fellows of the Amory Prize and a gold medal or other token of honor and merit for each septennium beginning with that which was concluded on November 10, 1933, and thereafter, said award being in recognition of an invention or other contribution in the medical field specified in and according to the terms of the bequest of Francis Amory.

Article 2. Each Standing Committee shall confine its recommendations and its expenditures to such sum in each fiscal year as shall have been notified to its Chairman by the Secretary of the Academy as appropriations voted by the Academy, or by the Treasurer as income available for its purposes.

Article 3. Each Standing Committee shall report to the Academy at the Annual Meeting its acts of the previous year.

See Chap. iii; chap. iv, art. 1, 3; chap. vi, art. 4; chap. vii, art. 1, 2, 4; chap. ix, art. 1, 2.

CHAPTER XII

Meetings, Communications, and Amendments

Article 1. There shall be annually eight Stated Meetings of the Academy, namely, on the second Wednesday of October, November, December, January, February, March, April, and May. Only at these meetings, or at adjournments thereof regularly notified, or at Special Meetings called for the purpose, shall appropriations of money be made or amendments of the Statutes be effected.

The Stated Meeting in May shall be the Annual Meeting of the Corporation.

Special Meetings shall be called by the Secretary at the request of the President, of the Council, or of ten Fellows having the right to

vote; and notifications thereof shall state the purpose for which the meeting is called.

The Council shall have authority, as occasion may demand, to arrange additional meetings and to cancel any of the Statutory meetings, except that meetings for transacting business shall be held as required by the Statutes.

ARTICLE 2. Except as otherwise provided, twenty-five Fellows having the right to vote shall constitute a quorum for the transaction of business at Stated or Special Meetings. Eighteen Fellows shall be sufficient to constitute a meeting for literary or scientific communications and discussions.

ARTICLE 3. Upon the request of the presiding officer or the Secretary, any motion or resolution offered at any meeting shall be submitted in writing.

ARTICLE 4. Fellows may introduce guests at any of the literary or scientific meetings of the Academy.

ARTICLE 5. All amendments to the Statutes, whether proposed by Fellows or by the Council, shall be considered by the Council and reported with recommendations for action to the Academy. At a subsequent Stated Meeting, or at a Special Meeting called for the purpose, the notice for which in either case shall state this proposed amendment, the Academy shall act upon the amendment. Two-thirds of the Fellows present, in a meeting of not less than forty Fellows, must vote in the affirmative to enact the amendment.

See Chap. ii, art. 6, 10; chap. iii, art. 1, 2; chap. iv, art. 1, 3, 4, 5; chap. v, art. 1; chap. vi, art. 2, 3; chap. vii, art. 2, 5; chap. ix, art. 2; chap. x, art. 5; chap. xi, art. 1, 3.

CHARTER OF INCORPORATION

An Act to incorporate and establish a Society for the cultivation and promotion of Arts and Sciences. Granted May 4, 1780, by an Act of the Legislature of Massachusetts, and amended by the Acts of 1910, 1911, 1931, and 1947.

As the Arts and Sciences are the foundation and support of agriculture, manufactures, and commerce; as they are necessary to the wealth, peace, independence, and happiness of a people; as they essentially promote the honor and dignity of the government which patronizes them; and as they are most effectually cultivated and diffused through a State by the forming and incorporating of men of genius and learning into public societies for these beneficial purposes.

Be it therefore enacted by the Council and House of Representatives in General Court assembled and by the authority of the same, that [sixty-two persons][1] be, and they hereby are formed into, constituted, and made a body politic and corporate, by the name of THE AMERICAN ACADEMY OF ARTS AND SCIENCES, and that they, and their successors, and such other persons as shall be elected in the manner hereafter mentioned, shall be and continue a body politic and corporate, by the same name forever.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy may from time to time elect a President, one or more Vice-Presidents, one or more Secretaries, and such other officers of the said Academy as they shall judge necessary or convenient; and they shall have full power and authority from time to time to determine and establish the names, number, and duties of their several officers, and the tenure or estate they shall respectively have in their offices; and also to authorize and empower their President, or some other Fellow of the Academy, at their pleasure, to administer such oaths to such officers as they shall appoint and determine, for the well-ordering and good government of the said Academy, provided the same be not repugnant to the laws of this State.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy shall have one Common Seal, which they may make use of in whatsoever cause or business shall concern the Academy, or be relative to the end and design of its institution; and shall have power and authority from time to time to break, change, and renew the Common Seal, at their pleasure; and that they may sue and be

[1] For the names of the Fellows incorporated, see Memoirs, Vol. XI, Part I, pp. 33, 34.

sued, in all actions, real, personal, and mixed, and prosecute and defend the same unto final judgment and execution, by the name of the President and Fellows of the American Academy of Arts and Sciences.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy may from time to time elect such persons to be Fellows thereof, as they shall judge proper, and that they shall have full power and authority from time to time to suspend, expel, or disfranchise any Fellow of the said Academy who shall by his conduct render himself unworthy of a place in that body, in the judgment of the Academy; and also to settle and establish the rules, forms, and conditions of election, suspension, expulsion, and disfranchisement.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy shall have full power and authority from time to time to make and enact such reasonable rules, orders, and bylaws, not repugnant to the laws of this State, as shall be necessary or convenient for the well-ordering and good government of the said Academy, and to annex reasonable pecuniary fines and penalties to the breach of them, not exceeding the sum of *twenty pounds,* to be sued for and recovered in any court of record within this State, in the name and for the use of the President and Fellows of the said Academy; and the same rules, orders, and bylaws to repeal at their pleasure; and also to settle and establish the times, places, and manner of convening the Fellows of the said Academy; and also to determine the number of Fellows which shall be present to constitute a meeting of the said Academy. *Provided,* that the Fellows of the said Academy shall meet twice in a year at the least; and that the place of their meeting shall never be more than thirty miles distant from the town of Boston.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy may, and shall forever hereafter, be deemed capable in the law, of having, holding, and taking in fee-simple, or any less estate, by gift, grant, devise or otherwise, any lands, tenements or other estate real and personal. *Provided,* that the said real estate shall not exceed in value the sum of *two hundred thousand dollars,* and the said personal estate shall not exceed in value the sum of *five hundred thousand dollars,* all the sums mentioned in the preceding section of this act to be valued in silver at the rate of *six shillings and eightpence* by the ounce. And the annual interest and income of the said real and personal estate, together with the fines and penalties aforesaid, shall be appropriated for premiums to encourage improvements and discoveries in agriculture, arts, and manufactures, or for other purposes consistent with the end and design of the institution of the said Academy as the Fellows thereof shall determine.

And be it further enacted by the authority aforesaid, that the end and

design of the institution of the said Academy is, to promote and encourage the knowledge of the antiquities of America, and of the natural history of the country, and to determine the uses to which the various natural productions of the country may be applied; to promote and encourage medical discoveries; mathematical disquisitions; philosophical inquiries and experiments; astronomical, meteorological, and geographical observations; and improvements in agriculture, arts, manufactures, and commerce; and, in fine, to cultivate every art and science which may tend to advance the interest, honor, dignity, and happiness of a free, independent, and virtuous people.

And it is further enacted, that the place where the first meeting of the Fellows of the said Academy shall be held shall be the Philosophy Chamber in the University of Cambridge; and that the Honorable James Bowdoin, Esq. be, and he hereby is authorized and empowered to fix the time for holding the said meeting, and to notify the same to the Fellows of the Academy.

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